

IN

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IN

Page

157			Sep-1984 12:35:38	VAX-11 Bliss-32 V4.0-742 CINSTAL.SRCJINSLIST.832:1
58 0058 59 0059	1	is available.		
60 0060 61 0061 62 0062	v03-009	MSH0034 Michael S. Display raw device name str Listing so we can see what	Harvey 18-Apr- ring in KFD for /STRU 's really stored then	-1984 UCTURE -e.
58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 77 78 77 78 79 80 81 81 82 83 84 85 86 87 88 88 89 90 90 90 90 90 90 90 90 90 9	v03-008	MSH0028 Michael S. List maximum shared count of global section count to hell counts being displayed on A	p interpret the other	1984 olay
59 0069 70 0070 71 0071 72 0072	v03-007	MSH0026 Michael S. Recognize when known file of exist or is empty, and do to tries to access it.	Harvey 4-Apr-1 database either doesn the right thing when	1984 one
74 0074 75 0075 76 0076 77 0077	v03-006	MSH0022 Michael S. Convert unconcealed device allocation class type device does not have the allocation	Harvey 20-Mar- name, which may be a se name, into a form on class in it.	-1984 an that
0079 0080 0081	v03-005	BLS0256 Benn Schreit Clean up buffer handling. mode, since protected again	Reference all pool	1983 from EXEC
0083 0084 0085	v03-004	RPG0004 Bob Grosso List WCB info. Trim blanks from end of lin		-1983
0087 0088 0089 0090 0091 0092 0093 0094 0095 0096 0097 0098 0099	v03-003	RPG0003 Bob Grosso Clean up listing format. Add /structure listing. Print listing from user models	July 20), 1983
0092 0093	v03-002	RPG0002 Bob Grosso Bypass printing WCB info.	July 8,	1983
0095 0096	v03-001	RPG0001 Bob Grosso Reduce signalling while in	EXEC mode. July 7.	1983
8 0098 9 0099	į !			
00 0100 01 0101 02 0102 03 0103	Include files			
03 0103 04 0104	LIBRARY 'SYS\$LI	BRARY:LIB.L32': ! V	/AX/VMS system defini	tions
91 0091 92 0092 93 0093 94 0094 95 0095 96 0096 97 0097 98 0098 99 0099 00 0100 01 0101 02 0102 03 0103 04 0104 05 0106 07 0248	1 REQUIRE 'SRC\$: II 1 REQUIRE 'LIB\$: II	NSPREFIX.REQ';		

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Page 2 (1)

INSLIST V04-000	Declarations	C 8 16-Sep-1984 01:54:25 VAX-11 Bliss-32 V4.0-742 Page 3 14-Sep-1984 12:35:38 [INSTAL.SRC]INSLIST.B32;1 (2)
: 109 : 110 : 111 : 112 : 113 : 114 : 115	0307 1 XSBTTL 'Declarations': 0308 1	
117 118 119 120 121 122 123 124 125 127 128 129 131 133 133 135 137 138 139	0323 1 0324 1 ! 0325 1 ! External routines 0326 1 ! 0327 1 0328 1 EXTERNAL ROUTINE 0329 1 LIB\$GET_VM, 0330 1 LIB\$FREE_VM, 0331 1 LIB\$PUT_DUTPUT, 0332 1 SYS\$GETDVIW : ADDRESSING_MODE (GENERAL CONTROL	
141 142 143 144 145	0335 1 EXTERNAL ROUTINE 0336 1 INS\$EXECUTE_IN_EXEC_WITH_R_LOCK; 0337 1 0338 1 EXTERNAL 0339 1 CTL\$GL_KNOWNFIL, 0340 1 EXE\$GL_KNOWN_FILES, 0341 1 INS\$GL_CTLMSR : BLOCK [1], 0342 1 INS\$G_OUTRAB : BBLOCK, 0343 1 PRV\$AB_NAMES; 0344 1	! Process pointer to the Known file list pointer block ! Exec pointer to the Known file list pointer block ! INSTALL control flags ! Record output block for output buffer ! ASCII list of privileges
1445 1445 1447 1448 1449 1551 1553 1554 1557 1558 1561 1661 1663 1664 1665	0341 1 INS\$G_CTLMSR : BLOCK [1], 0342 1 INS\$G_DUTRAB : BBLOCK, 0343 1 PRV\$AB_NAMES; 0344 1 0345 1 EXTERNAL LITERAL 0346 1 INS\$_EMPTYLST, 0347 1 INS\$_FAILGETVM, 0348 1 INS\$_NOLIST, 0349 1 INS\$_NOVER; 0350 1 0351 1 GLOBAL 0352 1 INS\$FAOOUTBUF, 0353 1 INS\$FAOOUTBUF, 0353 1 INS\$FAOOUTBUF,	! The Known file List is empty ! failed to get virtual memory ! There is no Known file List ! Error obtaining file version
155 156 157 158 159 160	0354 1 0355 1 GLOBAL LITERAL	! size of output buffer
161 162 163 164 165	0357 1 0358 1 ! 0359 1 ! Set up user buffer for copyin 0360 1 ! 0361 1 OWN 0362 1 TMPBUF_LEN, 0363 1 TMPBUF,	! Size of allocated buffer ! Address of allocated buffer

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16-Sep-1984 01:54:25
14-Sep-1984 12:35:38
INSLIST
                                                                                                                                     VAX-11 Bliss-32 V4.0-742
LINSTAL.SRCJINSLIST.B32;1
                        GET_NUMENTRIES
                                    *SBTTL 'GET NUMENTRIES';
ROUTINE GET_NUMENTRIES (RETCOUNT) =
    03889
033890
033890
03339945
03339945
04404
04406
04406
04409
0410
                                    BEGIN
                                       FUNCTIONAL DESCRIPTION:
                                                 Return the number of entries to allocate for the listing.
                                          RETCOUNT : REF VECTOR[,LONG];
                                          KFPB = EXESGL_KNOWN_FILES : REF $BBLOCK;
                                    IF .KFPB EQL 0
THEN RETURN INSS_NOLIST:
                                 2 IF .KFPB[KFPB$L_KFDLST] EQL 0
THEN RETURN INSS_EMPTYLST;
                                    RETCOUNT[0] = .KFPB[KFPB$W_KFDLSTCNT];
RETURN TRUE
                                    END:
                                                                                                                 .TITLE INSLIST .IDENT \V04-000\
                                                                                                                 .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                                                           00000 P.AAB:
00006
00008 P.AAA:
                                                       53 41 21 53 41 21
                                                                                                                 .ASCII
                                                                                                                            \!AS!AS\
                                                                                                                 .BLKB
                                                                            00000000
                                                                                                                . LONG
                                                                                           0000C
00010 P.AAD:
                                                                                                                 .ADDRESS P. AAB
                                                                            21 38
00000004
00000000
                                                                                                                 .ASCII \:!UW\
                                                                                           00014 P.AAC:
00018
0001C P.AAF:
0002B
0003A
                                                                                                                . LONG
                                                                                                                 .ADDRESS P.AAD
                                                                        69 4C 20
7A 69 73
2F 57 55
000000000
20 20 20
                                                                                                                 .ASCII \ List head adr/siz/ref = !XL/!UW/!UW\
                                                                                          00040
00044
00048
00050
00054
00058
00058
00060
00064
00073
00082
                                                                                                    P.AAE:
                                                                                                                .LONG
                                                                                                                LONG 36
                                                                  21
                                                                                                    P.AAH:
                                                                                                                 .ASCII \
                                                                                                                                  !AC\
                                                                                                                 .BLKB
                                                                            P.AAG:
                                                                                                                 . LONG
                                                                                                                 ADDRESS P.AAH
                                                                                                    P.AAJ:
                                                                                                                 .BLKB
                                                                           00000003
000000000
20 20
64 64
78 65
21 2F
000000000
                                                                                                    P.AAI:
                                                                                                                .LONG
                                                                                                                 .ADDRESS P.AAJ
                                                                                                    P.AAL:
                                                             20
73
20
2F
                                                                                                                                          Entry address/size/index
                                                       20
73
30
21
                                                                                                                .ASCII \
                                                20
2F
20
58
                                                                                                                .ASCII \/!U\/!XB\
.LONG 48
.ADDRESS P.AAL
                                                                                                    P.AAK:
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INSLIS V04-00	00		G	ET_N	MENT	RIES						16-Sep-1984 01:54:25 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:35:38 [INSTAL.SRC]INSLIST.B32;1	Page
20 77	5 6	F 6	5 7	A 69	57 73 58	20 2F 21	20 73 20	20 73 30	20 65 20	20 72 20 57	20 20 20 64 64 61 20 20 20 55 21 2F	0009C P.AAN: .ASCII \ Window address/size 000AB 000BA 000C4 .ASCII \/!UW\ 000C8 P.AAM: .LONG 44	= !XL\
20 72	2 6	5 6	4 6	1 65 A 65	48 73 58	20 2F 21	20 73 20	20 73 30	20	20720	20 20 20 64 64 61 20 20 20	000CC .ADDRESS P.AAN 000D0 P.AAP: .ASCII \ Header address/size 000DF 000EE	= !XL\
61 20 20 20	3 7	9 7	2 7	4 68	45	20 6F 21	20	20	20 73 20	20 73 20	00000002c 000000000 20 20 20 65 63 63 20 20 20	ASCII \/!UW\ 000FC P.AAO: .LONG 44 00100 .ADDRESS P.AAP 00104 P.AAR: .ASCII \ Entry access count 00113	= !UL\
74 6E 72 61	6	5 7	2 7 3 2				20 69 20	20 78 30 57	20 61 20 55	20 40 20 21	00000000° 00000000° 20 20 20 20 2F 20 20 64 65 20 2F 20	0012C P.AAQ: .LONG 40 00130 .ADDRESS P.AAR 00134 P.AAT: .ASCII \ Current / Maximum shared 00143 00152	d = !UW\
74 6E 20 09	6 6	5 7	2 7 E 7	72 75	43	50	20 64	20 65	20 72	20 61 20	20 2F 20 000000000° 20 20 20 68 73 20 30 20 20 57 55 21	0015C	>\ = \
0 60	6 7	1 6	2 6 E 7	F 60	47 63 55	20 20 21	20 6E 20	20 6F 3D	20 69 20	20 74 20	00000025 000000000° 20 20 20 63 65 73 20 20 20	00191 .BLKB 3 00194 P.AAU: .LONG 37 00198 .ADDRESS P.AAV 0019C P.AAX: .ASCII \ Global section count	= !UW\
1 74	6 2	1 7	0 6	50 6F 55 70 57	43 79 58	20 74 21	20 20 20	20 79 30	20 74 20	20 69 20	00000028 000000000 20 20 20 6C 69 62 20 20 20	001C4 P.AAW: .LONG 40 .ADDRESS P.AAX 001CC P.AAZ: .ASCII \ Compatability type 001DB 001EA	= !XW\
5 60	6	9 7	6 6	9 72	50	20	20	20	20 30	20	00000000° 00000000° 20 20 20 73 65 67	001F4 P.AAY: .LONG 40 001F8 .ADDRESS P.AAZ 001FC P.ABB: .ASCII \ Privileges = \	
20 20	0 2	0 2	0 2	20 20	20	20	20	20	20	20	000000015 000000000° 20 20 20 20 20 20	00211	
										20	00000000° 00000000° 43 41 21 000000004 000000000°	00231	

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INSLIST
VO4-000
                                                                                                                                                                                                                                                                                                           16-Sep-1984 01:54:25
14-Sep-1984 12:35:38
                                                                                                                                                                                                                                                                                                                                                                                                                          VAX-11 Bliss-32 V4.0-742
[INSTAL.SRC]INSLIST.B32;1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (3)
                                                                           GET_NUMENTRIES
                                                                                                                                                                                                                                                                                        00000 TMPBUF_LEN:
                                                                                                                                                                                                                                                                                        00004 TMPBUF: .BLKB
00008 TMPBUF_PTR:
                                                                                                                                                                                                                                                                                                                                                          .PSECT $GLOBAL$, NOEXE.2
                                                                                                                                                                                                                                                                                         00000 INS$FAOOUTBUF::
                                                                                                                                                                                                                                                                                                                                                            .BLKB
                                                                                                                                                                                                                                                                                         00004 INSSFAOBUFDESC::
                                                                                                                                                                                                                                                                                                                                                          .BLKB 8
                                                                                                                                                                                                                                                                                                                  INS$C FAOBUFLEN==
FAOCTL_DDT=
FAOCTL_VERSION=
FAOCTL_KFDADR=
FAOCTL_FILNAM=
FAOCTL_FLAGS=
FAOCTL_WINDOW=
FAOCTL_HEADER=
FAOCTL_USECNT=
FAOCTL_SHRUSECNT=
FAOCTL_CMODCURR=
FAOCTL_GBLCNT=
FAOCTL_GBLCNT=
FAOCTL_PRIVHD=
F
                                                                                                                                                                                                                                                                                                                                                                                                                  P.AAA
                                                                                                                                                                                                                                                                                                                                                                                                                 P.AAC
                                                                                                                                                                                                                                                                                                                                                                                                                  P.AAE
                                                                                                                                                                                                                                                                                                                                                                                                                  P.AAG
                                                                                                                                                                                                                                                                                                                                                                                                                   P. AAM
                                                                                                                                                                                                                                                                                                                                                                                                                   P.AAO
                                                                                                                                                                                                                                                                                                                                                                                                                   P.AAQ
                                                                                                                                                                                                                                                                                                                                                                                                                  P.AAS
                                                                                                                                                                                                                                                                                                                                                                                                                  P.AAU
                                                                                                                                                                                                                                                                                                                                                                                                                  P.AAW
                                                                                                                                                                                                                                                                                                                                                                                                                 P.AAY
                                                                                                                                                                                                                                                                                                                                                                                                                  P.ABA
                                                                                                                                                                                                                                                                                                                                                                                                                  P.ABC
                                                                                                                                                                                                                                                                                                                                                                                                                  P.ABE
                                                                                                                                                                                                                                                                                                                                                                                            LIBSGET_VM, LIBSFREE_VM
LIBSPUT_OUTPUT, SYS$GETDVIW
SYS$FAOC, INSBEXECUTE_IN_EXEC_WITH_R_LOCK
CTL$GL_KNOWNFIL
EXESGL_KNOWN_FILES
INS$GL_CTLMSK, INS$G_OUTRAB
PRV$AB_NAMES, INS$_EMPTYLST
INS$_FAILGETVM, INS$_NOLIST
INS$_NOVER
                                                                                                                                                                                                                                                                                                                                                         .EXTRN
                                                                                                                                                                                                                                                                                                                                                          .EXTRN
                                                                                                                                                                                                                                                                                                                                                          .EXTRN
                                                                                                                                                                                                                                                                                                                                                          .EXTRN
                                                                                                                                                                                                                                                                                                                                                           .EXTRN
                                                                                                                                                                                                                                                                                                                                                           EXTRN
                                                                                                                                                                                                                                                                                                                                                          .EXTRN
                                                                                                                                                                                                                                                                                                                                                           .EXTRN
                                                                                                                                                                                                                                                                                                                                                           .EXTRN
                                                                                                                                                                                                                                                                                                                                                                                             $CODE$, NOWRT, 2
                                                                                                                                                                                                                                                                                                                                                          .PSECT
                                                                                                                                                                                                                                                                 0000 00000 GET_NUMENTRIES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0388
0402
                                                                                                                                                                                                                                                                                                                                                           . WORD
                                                                                                                                                                                                                                                                                                                                                                                               Save nothing
                                                                                                                                                                                                                                                                                       00002
00009
0000B
00012
00013
00015
00017
0001E
0001E
00027
                                                                                                                                                                                       50 00000000G
                                                                                                                                                                                                                                                                                                                                                          MOVL
                                                                                                                                                                                                                                                                                                                                                                                               KFPB, RO
                                                                                                                                                                                                                                                                         D0200452004
                                                                                                                                                                                                                                                                                                                                                          BNEQ
                                                                                                                                                                                       50 00000000G
                                                                                                                                                                                                                                                                                                                                                          MOVL
                                                                                                                                                                                                                                                                                                                                                                                               #INS$_NOLIST, RO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0403
                                                                                                                                                                                                                                                                                                                                                          RET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0405
                                                                                                                                                                                                                                                                                                                                                          TSTL
                                                                                                                                                                                                                                                                                                                                                                                                (RO)
                                                                                                                                                                                                                                                                                                                                                          BNEQ
                                                                                                                                                                                       50 00000000G
                                                                                                                                                                                                                                                                                                                                                                                               #INSS_EMPTYLST, RO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0406
                                                                                                                                                                                                                                                                                                                                                          MOVL
                                                                                                                                                                                                                                                                                                                                                          RET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0408
0409
0410
                                                                                                                                                                                                                                                                                                                                                          MOVZWL
                                                                                                                                                                                      BC
50
                                                                                                                                                                04
                                                                                                                                                                                                                                 00
                                                                                                                                                                                                                                                                                                                                                                                               12(RO), aRETCOUNT
                                                                                                                                                                                                                                                                                                                                                          MOVL
                                                                                                                                                                                                                                                                                                                                                                                               #1. RO
```

Routine Base: \$CODE\$ + 0000

: Routine Size: 40 bytes,

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H 8 16-Sep-1984 01:54:25 VAX-11 BLiss-32 V4.0-742 14-Sep-1984 12:35:38 LINSTAL.SRCJINSLIST.B32;1 INSLIST V04-000 Page (3) GET_NUMENTRIES

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INSLIST V04-000		INSSLIS	T.				1	8 5-Sep-19 5-Sep-19	84 01:54 84 12:35	:25 VAX-11 Bliss-32 V4.0-74 :38 [INSTAL.SRC]INSLIST.B32	Page	10
272 273 273 273 275 276 277 278 279 281 283 283 284 285 288 288 288 288 288 288 288 288 288		0468 0469 0470 0471 0473 0475 0476 0477 0478 0478 0481 0482 0483 0484 0485 0486 0487	TMPBUF_LEN = P STATUS = LIBSO IF NOT .STATUS THEN BEGIN SIGNAL (IN RETURN TRUEND; CHSFILL (XC' TMPBUF_PTR = STATUS PRINTOUT (); EXECUTE (LIBSO RETURN .STATUS END;	SS_FAILGETVM, JE; TMPBUF_LEN TMPBUF; EXECUTE_IN_EXE	1,	TMPI	BUF_LEI F); _LOCK TMPBUF	INS_LIS	US); T, .KFE) Print t	! Return the buffer		
OOFF	8F		20	58 000000006 57 0000' 5E 6E	00 CF 0C 00 DF 8F CF 6E	1FC 9E 9E C2 2C	00002 00009 0000E 00011		.EXTRN .ENTRY MOVAB MOVAB SUBL2 MOVC5	SYS\$CMEXEC INS\$LIST, Save R2,R3,R4,R5,R6 LIB\$SIGNAL, R8 TMPBUF LEN, R7 #12, SP #0, (SP), #32, #255, ains\$fa0	OOUTBUF 0	0413 0447
			0000	CF 0000°	BF CF	98 00	00018 00018 00021 00028		MOVZBW MOVL	#255, INS\$FAOBUFDESC INS\$FAOOUTBUF, INS\$FAOBUFDESC	• 6	0448 0449 0451
			04 08	AE AE	01 6E AE	00 9E 9F	0002A 0002E 00032		MOVL MOVAB PUSHAB	W1. CME_ARGLST NUM_ENTRIES, CME_ARGLST+4 CME_ARGLST	Ŏ	0451 0452 0453 0454
			00000000G	04 A0 56 01	AF 02 50 56	9F FB DO D1	00035 00038 0003F 00042		CLRL MOVL MOVAB PUSHAB CALLS MOVL CMPL BEQL PUSHL CALLS	NUM_ENTRIES N1, CME_ARGLST NUM_ENTRIES, CME_ARGLST+4 CME_ARGLST GET_NUMENTRIES N2, SYS\$CMEXEC R0, STATUS STATUS, N1		0455
				68	07 56 01 40 AC	13 DD FB 11 D5	00045 00047 00049 0004C 0004E	18:	TSTL	1\$ STATUS #1, LIB\$SIGNAL 5\$ KFE	0	0457 0458 0461
			03 00000000G	6E 50 00 50	03 02 02 03	13 00 00 E1 C0	00051 00053 00056 00059 00061	28:	MOVL MOVL BBC ADDL2	#1, LIB\$SIGNAL 5\$ KFE 2\$ #2, NUM_ENTRIES #2, NUM_LINES #2, INS\$GL_CTLMSK+1, 3\$ #3, NUM_LINES	0	0463 0465 0466
			03 00000000G 67	00 50 50 50 00000050 04	6AF2067610C3222333EF77	E1 00 04 05 9F	00064 0006C 0006F 00072 0007A	1\$: 2\$: 3\$: 4\$:	BBC ADDL2 MULL3 MULL3 PUSHAB PUSHL	#2, NUM_ENTRIES #2, NUM_LINES #2, INS\$GL CTLMSK+1, 3\$ #3, NUM_LIRES #3, INS\$GL CTLMSK+1, 4\$ #3, NUM_LIRES NUM_ENTRIES, R0 #80, R0, TMPBUF_LEN TMPBUF R7	0	0467 0468 0469

INSLIST V04-000	INSSLIST			16-Sep-1 14-Sep-1	984 01:54:25 VAX-11 Bliss-32 V4.0-742 984 12:35:38 [INSTAL.SRCJINSLIST.B32;1	Page 11 (4)
		000000006	00 56 13 000000006 68 50	FB 0007F D0 00086 E8 00089 DD 0008C DD 0008E DD 00090 DD 00092 FB 00098 D0 0009B 5\$:	CALLS #2, LIBSGET_VM MOVL RO, STATUS BLBS STATUS, 6\$ PUSHL STATUS PUSHL TMPBUF_LEN PUSHL #1 PUSHL #1 PUSHL #1, RO RET	0470 0473
6	7 2	08 000000006 0000v 00000006	6E A7 04 0000V 0000V 0000V 0000V 0000V	04 0009E 2C 0009F 000A4 DO 000A6 DD 000AB 9F 000AE FB 000B2 DO 000B9 FB 000BC 9F 000C1 DD 000C4 FB 000C6 E9 000CD DO 000D0 04 000D3 7%:	MOVC5 #0, (SP), #32, TMPBUF_LEN, aTMPBUF MOVL TMPBUF, TMPBUF_PTR PUSHL KFE PUSHAB INS_LIST CALLS #2, INSSEXECUTE_IN_EXEC_WITH_R_LOCK MOVL RO, STATUS CALLS #0, PRINTOUT PUSHAB TMPBUF PUSHL R7 CALLS #2, LIB\$FREE_VM BLBC STATUS, 7\$ MOVL STATUS, RO	0477 0478 0481 0482 0484

; Routine Size: 212 bytes. Routine Base: \$CODE\$ + 0028

; 292 0488 1

0000 00000 INS_LIST:

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INSLIST V04-000	INS_LIST				M 8 16-Sep-198 14-Sep-198	4 12:33:38	VAX-11 Bliss-32 V4.0-742 LINSTAL.SRCJINSLIST.B32;1	Page (5)
		0000V CF	04	AC 000 AC 01	D5 00002 12 00005 FB 00007 04 0000C DD 0000D 1\$: FB 00010 04 00015	KEI	e nothing LIST_KFE_ENTRIES LIST_KFE_ENTRY	0491 0531 0533 0535 0539

; Routine Size: 22 bytes, Routine Base: \$CODE\$ + OOFC

: 345 0540 1

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	INS_LIST						16 14	9 -Sep-	1984 01:54 1984 12:35	6:25 VAX-11 Bliss-32 V4.0-742 5:38 [INSTAL.SRC]INSLIST.B32;1	Page 15 (6)
				000000006	00 08 8F	DO 00 12 00 00 00 04 00	002 009 008		WORD MOVL BNEQ MOVL RET TSTL BNEQ MOVL RET	Save R2 R3 KFPB, R0 18 WINSS_NOLIST, R0	0541 0554 0557
			50 0	00000000	60 08 8F	D0000000000000000000000000000000000000	000B 012 013 015 017 01E	15:	TSTL BNEQ MOVL	(RO) 28 WINSS_EMPTYLST, RO	0560 0563
		00004	52		60 1F 52 01	DO 000	MIE	2\$: 3\$:	MOVL BEQL PUSHL	(RO), KFD 6\$ KFD #1, FORMAT KFD 4(KFD), KFE	0566 0573 0575
		0000V	CF 53	04	A2 0D 53	DO 00 13 00 DD 00	022 024 026 028 027 031 033	48:	MOVL BEQL PUSHL CALLS MOVL BEQL PUSHL CALLS	W1, FORMAT KFD 4(KFD), KFE 5\$ KFE W1, FORMAT KFE	0576 0581 0583
		0000v	CF 53	04	01 A3 F1 62	FB 00 00 11 00	033 038 030	58.	CALLS MOVL BRB MOVL	#1, FORMAT KFE 4(KFE), KFE 48 (KFD), KFD	
			50		DF 01	DO 00 11 00 DO 00 04 00	03E 041 043	68:	BRB MOVL RET	3\$ #1, RO	0584 0581 0587 0573 0590
Ciam.	71 hytes	Poutine	Base	* CODE	a 01	12					

: Routine Size: 71 bytes, Routine Base: \$CODE\$ + 0112

398 0592 1

INSLIST V04-000

INSLIST V04-000	INS_LIST			C 9 16-Se 14-Se	p-1984 01:54:3 p-1984 12:35:3	VAX-11 Bliss-32 V4.0-742 EINSTAL.SRCJINSLIST.B32;1	Page 16 (7)
400 401 402 403 404 405 406 407 408 409 410 411 412 413	0595 0596 0597 0597 0598 0599 0600 0601 0602 0603 0604 0604 0605 2	SIN KFE : REF BBLOCK; RMAT_KFD (.KFE [KF] RMAT_KFE (.KFE); TURN TRUE:					
				0004 00000 L1S	T_KFE_ENTRY:	2010 03	. 0507
		52 0000V CF 0000V CF 50	04 A 0C A 0 5	DO 00002 DD 00006 FB 00009 DD 0000E FB 00010 DO 00015 04 00018	MOVL PUSHL CALLS PUSHL CALLS	Tave R2 RE, R2 R2 R2 R1, FORMAT_KFD R2 R1, FORMAT_KFE R1, R0	0593 0602 0604 0606 0607

: 415

0608 1

Build the output descriptor for formatting below. If there was a

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INSLIST
V04-000
                                                                                              16-Sep-1984 01:54:25
14-Sep-1984 12:35:38
                                                                                                                                 VAX-11 Bliss-32 V4.0-742
LINSTAL.SRCJINSLIST.B32;1
                                                                                                                                                                                             18
                                                                                                                                                                                      Page
                       INS_LIST
                      06667
06668
06670
06670
06677
06677
06677
06677
06677
06687
06883
06883
06883
06883
0699
0699
0701
0705
07067
0707
0707
0707
0707
0708
   volume logical name defined, then go ahead and use it. If not, then
                                            we must use the original device name.
                                             .DEVNAM_DSC[DSC$W_LENGTH] EQL O
                                         THEN
                                              BEGIN
DEVNAM DSC [DSCSW_LENGTH] = .KFD [KFDSB_DEVLEN];
DEVNAM_DSC [DSCSA_POINTER] = KFD [KFDST_DDTSTR];
                                         ELSE
                                               BEGIN
                                               CHSWCHAR(': 'NEW DEV+.DEVNAM DSC[DSCSW_LENGTH]); ! Ad
DEVNAM DSC[DSCSW_LENGTH] = .DEVNAM DSC[DSCSW_LENGTH] +
DEVNAM_DSC[DSCSA_POINTER] = NEW_DEV; ! Fi
                                                                                                                            Add and count colon
                                                                                                                          ! Finish descriptor
                                               END:
                                         END:
                                      Now, format the output line.
                                  DDT_DSC[DSC$W_LENGTH] = .KFD[KFD$B_DDTSTRLEN] - .KFD[KFD$B_DEVLEN];
DDT_DSC[DSC$A_POINTER] = KFD[KFD$T_DDTSTR] + .KFD[KFD$B_DEVLEN];
FORMAT_LINE (FAOCTL_DDT, DEVNAM_DSC, DDT_DSC); ! format the KFD output
                                  IF .1NS$GL_CTLMSK [INS$V_STRUCTURE]
THEN
                                         BEGIN
                                              Pad the buffer out to INS_C_KFDPADLEN characters
                                         PAD = INS_C_KFDPADLEN - (INS$C_FAOBUFLEN - .INS$FAOBUFDESC [DSC$W_LENGTH]):
                                         IF .PAD LEQ 0
                                         THEN
                                              BEGIN
                                              TERMINATE LINE ();
PAD = INS C KFDPADLEN;
                                                                                                                     ! Print DDT string on first line
                                              END:
                                         INS$FAOBUFDESC [DSC$W_LENGTH] = .INS$FAOBUFDESC [DSC$W_LENGTH] - .PAD; !length is size left in buffer
                                         INSSFACBUFDESC [DSCSA_POINTER] = .INSSFACBUFDESC [DSCSA_POINTER] + .PAD;
                                         FORMAT_TERMINATE_LINE (FAOCTL_KFDADR, .KFD
                                                 TKFD [KFD$W_SIZE], .KFD [KFD$W_REFCNT]);
                                                                                                                     ! Print KFD info
                                         END:
                       0709
0710
0711
                                   TERMINATE_LINE ();
                                                                                                                     ! Blank line if /STRUCTURE, else prints DDT string
                                   RETURN TRUE:
                                   END:
```

.PSECT \$PLIT\$, NOWRT, NOEXE, 2

002C0040 00248 P.ABG: LONG 2883648 000000000 00254 LONG 0

.PSECT \$CODE\$, NOWRT, 2

					01F	c 00000	FORMAT	KFD:		
	6E	0000°	58 5E CF	0000V C	990 6	E 00002 E 00007 8 0000C		MOVAB MOVAB	Save R2,R3,R4,R5,R6,R7,R8 TERMINATE_LINE, R8 -168(SP), SP #16, P.ABG, ITMLST #0, TERMINATE_LINE	0609
			68 56 00 57	04	Ď F	B 00012 0 00015		MOVC3 CALLS MOVL	Kru. Ko	0625 0631 0640
	06	0000000G	57	OE A	DEG	1 00019 A 00021 1 00025		BBC MOVZBL BRB	#3, INS\$GL_CTLMSK+1, 1\$ 14(R6), R7 2\$	0640 0633 0640
		10	AE 50	64 A 1C A 5F 8 0E A	9 0 9	E 00027	15:	MOVAB	DEVNAM, DEVNAM DSC+4 DEVNAM DSC+4, RO	0650 0651
01	AO	11	60 57 A6	OE A	7 2	A 00034 8 00038		MOV8 MOVZBL MOVC3	#95, (R0) 14(R6), R7 R7, 17(R6), 1(R0)	0652
18	AE	04 08	A6 57 AE AE	20 A	1 A	1 0003E E 00043		MOVAB	N1, R7, DEVNAM DSC NEW DEV, ITMLST+4 DEVNAM DSC, ITMLST+8	0653 0660
		US	AE	7	E 7	C 0004D C 0004F		MOVAB CLRQ CLRQ	-(SP)	0661
				10 A 20 A	E 9	F 00054		PUSHAB	ITMLST DEVNAM_DSC -(SP)	
		0000000G	00	18 A	B F	B 00059 C 00060		CLRQ CALLS MOVZWL	#8. SYSSGETDVIW DEVNAM_DSC. RO	0669
		18 10	AE AE	11 A	B 1 B 9	0 00066	2\$:	BNEQ MOVW MOVAB	R7. DEVNAM DSC 17(R6), DEVNAM DSC+4	0672 0673
			E40	93	D 1 9	1 0006F 0 00071	3\$:	BR8 MOVB	#58. NEW DEVEROI	: 0669
		10	AE 50	18 A 20 A 10 A	E 9	E 00079	45:	INCW MOVAB MOVZBL	DEVNAM DSC NEW DEV, DEVNAM_DSC+4 16(R6), RO	0678 0679 0685
10	AE	14	AE 50 50 AE	11 A74	5 9	3 00082 E 00087		SUBW3	17(R7)[R6], DDT_DSC+4	0686
				10 A	9	F 0008D F 00090 F 00093		PUSHAB PUSHAB PUSHAB	DDT_DSC DEVNAM_DSC FAOCTL_DDT	0687
	2F	00000000 000000000	CF 00 52 52	0	3 F	B 00097 1 0009C		CALLS BBC MOVZWL	DEVNAM_DSC FAOCTL_DDT #3, FORMAT_LINE #3, INS\$GL_CTLMSK+1, 6\$ INS\$FAOBUFDESC, PAD -215(R2), PAD	0689 0695
				0000° C	9 9	F 00090 F 00093 B 00097 1 0009C C 000A4 E 000A9 4 000AE B 000B3		BGTR	7.	0696
		0000°	68 52 CF CF	FF29 C 0 0 2 5	D F D	B 000B0 0 000B3 2 000B6	58.	CALLS MOVL SUBW2	#0. TERMINATE_LINE #40. PAD PAD, INS\$FAOBUFDESC	0699 0700 0703
		0000	CF 7E 7E	0C A		0 000BB	,	ADDL 2 MOVZWL	PAD, INSSFAOBUFDESC+4 12(R6), -(SP)	0704
			76	0000° C	5 5 6 D F 9	C 000C4 D 000C8 F 000CA		ADDL 2 MOV ZWL MOV ZWL PUSHL PUSHAB	8(R6), -(SP) R6 FACCTL KEDADR	0706
		0000v	CF 68	0	6 F	B 000CE B 000D3	6\$:	CALLS	FAOCTL_KFDADR #4, FORMAT_TERMINATE_LINE #0, TERMINATE_LINE	0710

G 9 16-Sep-1984 01:54:25 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:35:38 LINSTAL.SRCJINSLIST.B32;1 INSLIST V04-000 INS_LIST 50 01 D0 000D6 04 000D9 #1, RO MOVL

Page 20 (8)

; 0712 ; 0713

; Routine Size: 218 bytes, Routine Base: \$CODE\$ + 0172

: 522 0714 1

.

:

VI

END

BEGIN

ELSE

```
M 9
16-Sep-1984 01:54:25 VAX-11 Bliss-32 V4.0-742
14-Sep-1984 12:35:38 [INSTAL.SRC]INSLIST.B32;1
INSLIST
V04-000
                        INS_LIST
                         1000
1001
1002
1003
                                             PRINT_PRIVS (KFE [KFE$Q_PROCPRIV]);
    809
810
811
813
814
815
816
                                                                       ! Full listing
                                            END:
                                  TERMINATE_LINE ();
                                                                         ! If /FULL prints blank line, else prints file name
                         1004
                                  2 RETUI
                                     RETURN TRUE:
                                                                                                                    .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                                                              00258 P.ABH:
00259
                                                                                                                                 \Open \
                                                                                              0025E P.ABI:
0025F
00263 P.ABJ:
                                                                                                                    .BYTE
                                                                                 64
                                                                                                                                \Hdr \
                                                                                              00264
00269 P.ABK:
                                                                                 68
                                                                           61
                                                                                                                                 \Shar \
                                                                           76
                                                                                              0026A
0026E P.ABL:
                                                                                                                                \Prv \
                                                                                                                                \Prot \
                                                                                                                                \Lnkbl \
                                                                                                       P.ABN:
                                                                                                                                \Cmode \
                                                                                                       P.ABO:
                                                                                                                                \Shm \
                                                                                                       P.ABP:
                                                                                                                                \Acnt \
                                                                                                       P.ABQ:
                                                                                             0028E
00295 P.ABR:
00296
0029A P.ABS:
                                                  20 67 72 75
                                                                                                                                \Nopurg \
                                                                                       04
57
05
58
                                                                                                                                \Wrt \
                                                                                                                                \Xonly\
                                                                                                                    .PSECT $OWN$, NOEXE, 2
                                                                                              0000C FILVER: .BLKB 00010 ATRCTLBLK:
                                                                           0007 0002
                                                                                                                    .WORD 2, 7
.ADDRESS FILVER
                                                                                             00014
00018
0001C FIB:
00028 FIB_DESC:
                                                                              00000000
                                                                                                                    .BLKB
                                                                                                                    .BLKB
                                                                                                                    .WORD 10
.BYTE 0[2]
.ADDRESS FIB
                                                                              00000000 0002A .BYTE
00000000 0002C .ADDRE
00000008 00030 CTLFLG_ARRAY:
                                                                                                                    . LONG
                                                                                                                   ADDRESS P.ABH
LONG 16
ADDRESS P.ABI
LONG 32
ADDRESS P.ABJ
                                                                              00000000° 00034
00000010° 00038
00000000° 0003C
00000020° 00040
00000000° 00044
```

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INSLIST V04-000	1	NS_LIST							1	S-Sep-	1984 01:54 1984 12:35	: 25	VAX-11 Bliss-32 V4.0-742 CINSTAL.SRCJINSLIST.B32;1	Page 27
						00 00 00 00 00 00 00 00 00 00 00 00 00	00000 00000 00000 00000 00000 00000 0000	040000000000000000000000000000000000000	00048 00040 00050 00054 00058 00060 00064 00068 00060 00070 00074 00078 00078 00088 00088		LONG ADDRESS	S P. AE S P. A	BK BL BM BN BN BO BP BQ BR	
											.EXTRN	SYS\$	ASSIGN, SYS\$QIOW DASSGN, SYS\$GETMSG	
													S, NOWRT, 2	
	08		00	0000v	5E 58 59 CF 6E	FEB4 04 00 36 0000°	CE AC A8 A8 CF 02	9E 00 00 9F 9F FB 2C		FORMA	.WORD MOVAB MOVL MOVL PUSHAB PUSHAB CALLS MOVC5	#2 #0,	R2,R3,R4,R5,R6,R7,R8,R9,R10,R11 (SP), SP R8 (S), KFD (C)	0715 0779 0784 0786
			25		5A 6A 56 58 57 50 57	10 18 08 0E 12	AD 568 08 08 266 A68 57	94 9E 100 130 300 300 C2	00022 00024 00028 00020 00030 00032 00036 00038 00047 00047 00047 00050 00050		CLRL MOVAB BBC MOVL BEQL MOVZWL MOVZWL SUBL2 DECL MOVL BGEQ MOVC3 BRB MOVC3 SKPC BNEQ CLRL TSTL	WCB 16(R8 #3.24(R8 24(R8 28) WCE 14(WCE 18(R8 R0, F	R10 (R10), 1\$ 3), WCB 3), WCB_SIZ (B), R7 3), R0 (7) (CHRCNT (B), FCB	0787 0789 0795 0796 0799 0800
					50	18	-	D/ DO 18	00041		MOVE	24 (0)	B), FCB	0801
		F8	AD	24	A0		08	28	00049 0004F		MOVC3 BRB	48 1	36(FCB), F1D	0801 0802 0805 0789
		F8 F8	AD AD	18	A8 08		A6 08 08 002 51	28 38 12 04 05 12	00051 00057 0005C 0005E 00060	1\$: 2\$:	MOVC3 SKPC BNEQ CLRL TSTL BNEO	38 R1 R1	24(R8), FID 78, FID	0811 0818
		0000°	CF	F8	AD	OE (03 00FD 08 A9	31 28 9A	00060 00062 00064 00067 0006E	48:	BNEQ BRW MOVC3 MOVZBL	4\$ 10\$ #8. !	ID. FIB+4 D). DEVNAM_DESC	0826 0830

INSL15T V04-000	INS_LIST							B 10 16-Sep-1 14-Sep-	1984 01:54 1984 12:35	:25	VAX-11 Bliss-32 V4.0-742 EINSTAL.SRCJINSLIST.B32;1	Page 2
			F4	AD	11	A9 7E AD 04 5CF 7E	9E 70 9F	00073 00078 0007A	MOVAB CLRQ PUSHAB PUSHAB CALLS BLBC CLRL CLRL PUSHAB	17(R) -(SP) CHAN	P), DEVNAM_DESC+4	083 083
			0000000G	00 30	08 F0	AD 04	9F	0007D 00080	PUSHAB	DEVN/	AM DESC SYSSASSIGN US, 58	
				30	0000	SO CF	F8 E9 D4 9F	00087 0008A	BLBC CLRL	FILV	US, 5\$ ER	083 083 084
					0000	CF	94 9F	0008E	PUSHAB	ATRC	TLBLK	: 084
					0000°	CF 7E 7E	D4 9F 7C	00096	CLRL	-(SP) -(SP) FIB -(SP))) DESC	
					E8	CF 7E	7 C 9 F	0009C	CLRQ	-(SP)	•
				7E		AD 32 AE	DD 3C	000A1 000A3	CLRQ CLRL PUSHAB CLRQ PUSHAB PUSHL MOVZWL	10SB #50 CHAN	NEL, -(SP)	
			0000000G	00		7E 0C	D4	000A7 000A9	CALLS	-(SP)	SYS\$QIOW	
			000000006	7E 00 01		AE 7E 0C 6E 01 50	30 FB E8	00073 00078 0007A 0007D 0008D 00087 0008A 0008E 00090 00094 00096 00096 00096 00096 00098 00097 000A3 000A7 000A3 000A7 000BD 000BD 000BD 000BD 000C5 000C5 000C5 000DD	CLRL CALLS MOVZWL CALLS BLBS	#1 STÅTI	SYS\$QIOW NEL, -(SP) SYS\$DASSGN US, 6\$	084
				03	F8	AD 1092	04 E9	000BE 68:	BLBC	10SB		084
	24	AF	28 24 000000FF	AE AE	0000° 24 24	AE CF AE	59 31 9E 30	000C2 000C5 7\$:	BRW MOVAB MOVZWL SUBL3 CMPW BLEQU	ERRF	ILNAM BUF, ERRFILNAM DSC+4 FAOBUFDESC, ERRFILNAM DSC ILNAM DSC, #255, ERRFILNAM DSC ILNAM DSC, #31	086 086
	24	ME	00000011	8F	24	AE 04	B1	000DA	CMPW	ERRF	ILNAM_DSC, #31	086
	04	AE	0000	AE	24	1F AE	B0 28	000E0	MOVW MOVC3	#31, ERRF	ERRFILNAM_DSC ILNAM_DSC, @INS\$FAOOUTBUF, - ILNAM_BUF , DECODED_MSGDSC	086 086
0100 8	8	00	EO E4	AD AD 6E	0100 20	8F AE 00	30 9E	000EC 000F2 000F7 000FE	MOVZWL MOVAB MOVC5	#256 DECOI	DECODED MSGDSC DED MSGBUF, DECODED MSGDSC+4 (SP), #0, #256, DECODED_MSGBUF	086 086 087
0100	•	00		7E	20	AE OF	70	000FE 00100				087
					E0 E0 00000000G	AD	9F 9F	00103	MOVQ PUSHAB PUSHAB	DECO	-(SP) DED_MSGDSC DED_MSGDSC	
			000000006	00	0000000G	8F 05	DD FB	00109 0010F	PUSHL	MINS	DED_MSGDSC B_NOVER SYS\$GETMSG TERMINATE_LINE ILNAM_DSC	
			0000v	CF	24 E0	AE	F B 9 F	0011B	CALLS CALLS PUSHAB	ERRF	TERMINATE_LINE ILNAM_DSC	087 087
			0000V	CF AD		AE AD O2 8F	FB	0011E 00121	PUSHAB CALLS MOVZWL	#256	FORMAT TERMINATE_LINE	087
0100 8	F	00	EO E4	AD 6E	0100 20	AE 00	9F FB 3C 9E 2C	00126 0012C 00131	MOVAB MOVC5	DECO	DED MSGDSC FORMAT TERMINATE_LINE , DECODED MSGDSC DED MSGBUF, DECODED MSGDSC+4 (SP), #0, #256, DECODED_MSGBUF	088 088
0.00	•	00		7E	50	AE OF		00138	MOVQ			088
					E0 E0 E8	AD AD O5	9f 9f	0013A 0013D 00140	PUSHAB	DECO	-(SP) DED_MSGDSC DED_MSGDSC	•
			00000000G	00		AD 05	70 9f 9f 00 f B	00143 00146	PUSHL CALLS PUSHAB	#5, S	SYS\$GETMSG	000
			0000v	CF	EO	AD 01 0D	9F F 8		PUSHAB CALLS BRB	W1	DED_MSGDSC FORMAT_LINE	088 084

INSL1ST V04-000	INS_LIST				1	C 10 6-Sep-19 4-Sep-19	984 01:54 984 12:35	:25 VAX-11 Bliss-32 V4.0-742 :38 [INSTAL.SRCJINSLIST.B32;1	Page 29 (9)
				0000° CF 0000° CF 02	00 00157	98:			: 0892
		0000v	CF	0000° CF FF15 C2 08	FB 0015F 3C 00164 9E 00169	10\$:	CALLS MOVZWL MOVAB BGTR CALLS	FILVER FAOCTL VERSION #2, FORMAT LINE INSSFAOBUFDESC, PAD -235(R2), PAD 115	0899
		V0000	CF 52	00	FB 00170		LALLS	#0 TERMINATE LINE	0903
		0000	CF CF	52 52 0000 CF 0000 CF 6A 52	9F 0015E FB 0016F 9E 0016F 14 0016E FB 00176 00176 00176 00176 00176 00187 00187 00197 00197 00197 00197 00197 00197 00197 00197 00197 00197 00197 00197 00197	98: 108: 118:	MOVL SUBW2 ADDL2 MOVZWL MOVL MOVZWL	PAD, INS\$FAOBUFDESC PAD, INS\$FAOBUFDESC+4 INS\$FAOBUFDESC, BUFLEN INS\$FAOBUFDESC+4, BUFPTR (R10), FLAGS	0900 0903 0904 0907 0908 0918 0919 0921 0934
			53	0000°CF42	D4 0018F D0 00191 D3 00197	128:	MOVL BITL BEOL	CTLFLG_ARRAY+4[I], R3 CTLFLG_ARRAY[I], FLAGS	0934 0932 0934
		0000V	CF	0000 CF 42 0000 CF 42 02	DD 0019F 9F 001A4 FB 001A8	138:	PUSHL PUSHAB CALLS MOVZWL	CTLFLG_ARRAY+4[I] FAOCTL_FLAGS #2, FORMAT_LINE INS\$FAOBUFDESC, BUFLEN INS\$FAOBUFDESC+4, BUFPTR	0937
			54	0000° CF 0000° CF 10 63	00 001B2		BKB	INSSFAOBUFDESC, BUFLEN INSSFAOBUFDESC+4, BUFPTR 14\$ (R3), R0	0938 0939 0934 0943
		0000	50 CF 50	63 50 63	9A 001B9 A2 001B0 9A 001C1	138:	MOVZBL SUBW2 MOVZBL	RO. INSSFADBUFDESC	0943
FF	C2	52 0000° 0000° 03 000000006	CF CF CF	50 63 50 17 55 54	CO 001C4 F1 001C9 B0 001CF D0 001D4 E0 001D9 31 001E1	148:	ADDL2 ACBL MOVU MOVL BBS	(R3) R0 R0 INS\$FAOBUFDESC+4 #23, #2, I, 12\$ BUFLEN, INS\$FAOBUFDESC BUFPTR, INS\$FAOBUFDESC+4 #2, INS\$GL_CTLMSK+1, 15\$	0927 0948 0949 0955
		0000v 13 000000006	CF	02 00B7 00 03 08 A8 08 A8 0000 CF	FB 001E4	15\$:	CALLS BBC MOVZBL MOVZWL	#0, TERMINATE LINE #3, INS\$GL CTEMSK+1, 16\$ 11(R8), -(SP) 8(R8), -(SP)	0958 0960 0963
		0000v	CF	U4	9A 001F1 3C 001F5 DD 001F9 9F 001FF FB 001FF	165:	PUSHAB PUSHAB CALLS TSTB	R8 FAOCTL_KFEADR #4, FORMAT_TERMINATE_LINE (R10)	0962 0965
			7E	2A A8 0000' CF 07	95 00204 18 00206 3C 00208 9F 00200 11 00210		BGEQ MOVZWL PUSHAB	17\$ 42(R8), -(SP) FAOCTL_COMPAT_TYP	0967
		0000v	CF	14 A8 CF	DD 00212 9F 00215	1/5:	BRB PUSHL PUSHAB CALLS	18\$ 20(R8) FAOCTL USECNT #2. FORMAT TERMINATE LINE	0969
		22	6A	03 6A 0D 57	FB 00219 E1 0021E 95 00222 18 00224 DD 00226		BBC TSTB BGEQ PUSHL PUSHAB	#2, FORMAT_TERMINATE_LINE #3, (R10), 20\$ (R10) 19\$ UCB_SHRCNT	0971 0975
		0000v	CF	0000' CF 02 11	9F 00228 FB 00220 11 00231		PUSHAB CALLS BRB	WCB_SHRCNT FAOCTL_CMODCURR #2, FORMAT_TERMINATE_LINE 20\$ 52(R8), -(SP)	0 0 0
			7E	34 Å8 6E 57	3C 00233 D7 00237 DD 00239	195:	MOVZWL DECL PUSHL	52(R8), -(SP) (SP) WCB_SHRCNT	0978

INSLIST V04-000	INS_LIST		D 10 16-Sep-1984 01:54:25 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:35:38 [INSTAL.SRC]INSLIST.B32;1	Page 30 (9)
	0000v	CF 6A	0000' CF 9F 0023B	0977 0980 0982
	32 00000000G	CF 00	03 E1 00255 218: BBC #3, INS\$GL_CTLMSK+1, 23\$	0984
	19 00000000G	ÇF 00	03 FB 00265 PUSHAB FACCTL WINDOW 03 FB 00269 CALLS #3, FORMAT_TERMINATE_LINE 03 E1 0026E 228: BBC #3, INS\$GL_CTLMSK+1, 23\$	0986 0988
	50 10	6A A8 7E	1E A8 DD 00285 PUSHL 28(R8)	0992 0995 0994
	0000V 0000V 0000V	6A CF	03 FB 0028A CALLS #3, FORMAT_TERMINATE_LINE 02 E1 0028F 23\$: BBC #2, (R10), 24\$ 20 A8 9F 00293 PUSHAB 32(R8) 01 FB 00296 CALLS #1, PRINT_PRIVS	0998 1000
	00000	CF 50	00 FB 0029B 24\$: CALLS #0. TERMINATE_LINE 01 D0 002A0	1004 1006 1007

Routine Base: \$CODE\$ + 024C

; Routine Size: 676 bytes.

```
E 10
16-Sep-1984 01:54:25
14-Sep-1984 12:35:38
INSLIST
V04-000
                                                                                                                                          VAX-11 Bliss-32 V4.0-742
CINSTAL.SRCJINSLIST.B32;1
                         INS_LIST
                         1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
1018
1019
    *SBTTL 'PRINT_PRIVS':
                                     ROUTINE PRINT_PRIVS (PRIV_ADR) =
                                          FUNCTIONAL DESCRIPTION:
Print the ASCII symbol for each privilege bit set in the quadword
                                                  privilege mask, priv_adr.
                                          INPUT:
                                                  priv_adr = address of quadword privilege mask
                         1020
                                     BEGIN
                                     LOCAL
                                           PLACE HLDR
PRVS TO PRINT,
SYMBOL CEN,
PRIV_MSK;
                         1028
                                     PLACE_HLDR = PRV$AB_NAMES;
PRVS_TO_PRINT = FALSE;
FORMAT_EINE ( FAOCTL_PRIVHD );
                         1029
                                                                                                       point to start of privilege name table record status of buffer
                                                                                                     ! init buffer with header info and indentation
                                     WHILE . (.PLACE_HLDR) <0,8> NEQ 0 DO
                                                                                                    ! Traverse down the table
                                          BEGIN
PLACE HLDR = .PLACE HLDR + 1;
PRIV MSK = .(.PLACE HLDR) <0.8>;
PLACE HLDR = .PLACE HLDR + 1;
SYMBOL LEN = .(.PLACE HLDR) <0.8>;
                         1035
1036
1037
                                                                                                    ! Second byte is privilege mask
                         1038
                                                                                                    ! Third byte is ASCII string count
                         1039
                         1040
1041
1042
1043
1044
1045
1046
1046
1047
1050
1051
1053
1053
1055
1057
1058
1059
                                            IF .(.PRIV_ADR) <.PRIV_MSK,1>
                                                                                                    ! Check if bit is set in quadword
                                            THEN
                                                  BEGIN
                                                          The bit is set, put ASCII in buffer
                                                 PRVS_TO_PRINT = TRUE; ! Remember that something formAT_CINE ( FAOCTL_PRIV, .PLACE_HLDR); IF INS$C_FAOBUFLEN - .INS$FAOBUFDESC [DSC$W_LENGTH] GTR 70
                                                                                                       Remember that something is in buffer
                                                  THEN
                                                        BEGIN
                                                               Avoid too long a line. If it is, print what we have and
                                                               start a new line with a blank header offset
                                                        TERMINATE LINE ();
PRVS_TO_PRINT = FALSE;
FORMAT_LINE ( FAOCTL_PRIVHD2 );
                                                                                                                 ! Currently no privs in buffer
                                                         END;
                                                  END:
                         1061
1062
1063
1064
                                                  skip past count byte and ASCII privilege symbol
```

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INSLIST V04-000	F 10 16-Sep-1984 01:54:25 VAX-11 Bliss-32 V4.0-742 PRINT_PRIVS 14-Sep-1984 12:35:38 [INSTAL.SRCJINSLIST.B32;1
875 876 877 878 879 880 881 882 883 884 885 886 887 888	PLACE_HLDR = .PLACE_HLDR + 1 + .SYMBOL_LEN; 1066 3 1067 2 END; ! while 1068 2 1069 2 1070 2 IF .PRVS TO PRINT ! If there is something other than the header in the buffer 1071 2 THEN TERMINATE_LINE () ! Then print it 1072 3 ELSE 1073 3 INS\$FAOBUFDESC [DSC\$W_LENGTH] = INS\$C_FAOBUFLEN; 1075 3 INS\$FAOBUFDESC [DSC\$W_LENGTH] = .INS\$FAOOUTBUF; 1076 2 RETURN TRUE; 1079 1 END; ! routine print_privs

				0	OF C	00000	PRINT	PRIVS:	C D3 D7 D/ D5 D/ D7	4014
		57 56 52	00000 0000 0000	CF CF 00 54	9E 9E 9E	00002 00007 0000C 00013		MOVAB MOVAB MOVAB	Save R2,R3,R4,R5,R6,R7 FORMAT LINE, R7 INS\$FAOBUFDESC, R6 PRV\$AB_NAMES, PLACE_HLDR PRVS_TO_PRINT FAOCTL_PRIVHD #1, FORMAT_LINE (PLACE_HLDR) 3\$	1011
			0000	CF	9F	00015		PUSHAB	FAOCTL PRIVHD	; 1031
		67		01 62	FB 95	00019 0001C	15:	MOVAB CLRL PUSHAB CALLS TSTB BEQL	(PLACE_HLDR)	1034
2A	04	55 53 BC 54		3E 52 82 62 55 01 52	9A 9A E1 D0	0001E 00020 00022 00025 00028		INCL MOVZBL MOVZBL BBC MOVL PUSHL	PLACE HLDR (PLACE HLDR)+, PRIV MSK (PLACE HLDR)+, PRIV MSK (PLACE HLDR), SYMBOL LEN PRIV MSK, PPRIV ADR, 2\$ W1, PRVS TO PRINT PLACE HLDR FACCIT PRIV	1036 1037 1039 1041 1047
	000000FF	67 50 50 8F	0000	CF 02 66 A0 50	9F FB 3C 9E D1	00030 00032 00036 00039 0003C 00040		PUSHAB CALLS MOVZWL MOVAB CMPL BGEQ CALLS	PLACE HLDR FAOCTE PRIV #2, FORMAT LINE INSSFAOBUFDESC, RO 70(RO), RO RO, #255 28	1048
	0000v	CF	0000	0E 00 54 CF	18 FB D4 9F	00047 00049 0004E 00050		PUSHAB	2\$ #0, TERMINATE_LINE PRVS_TO_PRINT FAOCTL_PRIVHD2 #1, FORMAT_LINE 1(SYMBOL_LEN)[PLACE_HLDR], PLACE_HLDR	1056 1057 1058
		67 52	01	A342	FB 9E	00054	28:	MOVAB	#1, FORMAT LINE 1(SYMBOL LEN)[PLACE HLDR], PLACE HLDR	1065
	0000v	07 CF		BE 54 00 09 8f	11 E9 FB 11	0005C 0005E 00061 00066	35:	BRB BLBC CALLS BRB	PRVS_TO_PRINT, 4\$ #0, TERMINATE_LINE 5\$	1034 1070 1071
	04	66 86 50	FF	8F A6 01	9B D0 D0 04	00068 0006C 00071 00074	48: 58:	MOVZBW MOVL MOVL RET	#255, INS\$FAOBUFDESC INS\$FAOOUTBUF, INS\$FAOBUFDESC+4 #1, R0	1074 1075 1078 1079

; Routine Size: 117 bytes, Routine Base: \$CODE\$ + 04F0

INSLIST V04-000

PRINT_PRIVS

Page 33 (10)

: 890

1080 1

INSLIST 104-000	ouput to	temporary buff	er routines	1	H 10 6-Sep-1984 01:5 4-Sep-1984 12:3	4:25 VAX-11 Bliss-32 5:38 [INSTAL.SRC]INS	V4.0-742 Page LIST.B32;1	e 34 (11)		
: 892	1081 1	#SBTTL 'ouput	to temporary	buffer routin	es';					
892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 910 911 912 913 914 915 916 917 918 919	1083 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1109 1100 1101 1102 1103 1106 1107 1108	ROUTINE FORMAT_LINE (FAO_STRING, PARAMETER_LIST) = BEGIN								
920 921 922 923 924	1112 2	00000000G 0000°	POINTE ! routine F SE 0000 08 04 00 10 CF 50	ORMAT_LINE	FORMAT_LINE: .WORD SUBL2 PUSHAB PUSHAB PUSHAB PUSHL CALLS BLBC SUBW2 MOVZWL ADDL2 MOVL	INS\$FAOBUFDESC	C			

```
I 10
16-Sep-1984 01:54:25
14-Sep-1984 12:35:38
INSLIST
                                                                                                                                                                                                     VAX-11 Bliss-32 V4.0-742
[INSTAL.SRC]INSLIST.B32;1
                                                                                                                                                                                                                                                                                      Page 35 (12)
                                    ouput to temporary buffer routines
                                                     ROUTINE TERMINATE_LINE : NOVALUE = BEGIN !+++
      1116
1117
1118
1119
                                                            FUNCTIONAL DESCRIPTION:
                                    1120
                                                                        Print the contents of the output buffer to sys$output and re-initialize the descriptor of the buffer, and zero the buffer.
                                   1123
1123
1125
1126
1127
1128
1130
1133
1135
1138
1139
                                                             INPUT:
                                                                       none
                                                             IMPLICIT INPUT:
                                                                       Output buffer has been allocated and ins$faobufdesc is the descriptor for it.
                                                            OUTPUT:
                                                                       Output the contents of ins$faooutbuf to sys$output
                                                            ROUTINE VALUE
                                                                       status from $PUT
                                                     LOCAL
                                                              LINE_LEN;
                                                     LINE LEN = INS$C FAOBUFLEN - .INS$FAOBUFDESC [DSC$W_LENGTH];
TMPBUF_PTR [0.0.8.0] = .LINE_LEN;
TMPBUF_PTR = .TMPBUF_PTR + 1;
CH$MOVE (.LINE_LEN, .INS$FAOOUTBUF, .TMPBUF_PTR);
TMPBUF_PTR = .TMPBUF_PTR + .LINE_LEN;
                                    1140
1141
1142
1143
1144
                                    1145
1146
1147
1148
1149
1150
                                                     INSSFAOBUFDESC [DSCSW_LENGTH] = INSSC_FAOBUFLEN; INSSFAOBUFDESC [DSCSA_POINTER] = .INSSFAOOUTBUF; CHSFILL (%C' , INSSC_FAOBUFLEN, .INSSFAOOUTBUF);
                                                      RETURN:
                                                     END:
                                                                                          ! Routine TERMINATE_LINE
                                                                                                                           OSFC 00000 TERMINATE LINE:
                                                                                                                                                                                      Save R2,R3,R4,R5,R6,R7,R8,R9
INS$FAOBUFDESC, R9
IMPBUF PTR, R8
INS$FAOBUFDESC, LINE_LEN
LINE_LEN, #255, LINE_LEN
LINE_LEN, atmpbuf_ptr
IMPBUF PTR
INS$FAOOUTBUF, R7
LINE_LEN, (R7), atmpbuf_ptr
LINE_LEN, IMPBUF PTR
#255, INS$FAOBUFDESC
R7, INS$FAOBUFDESC
R7, INS$FAOBUFDESC+4
#0, (SP), #32, #255, (R7)
                                                                                                                                                                                                                                                                                              1115
                                                                                                       0000,
                                                                                       59
58
56
8f
88
                                                                                                                               993C900808080C
                                                                                                                                      00002
00007
00000F
00017
0001B
0001D
00026
00029
0002D
00031
00038
                                                                                                                                                                      MOVAB
                                                                                                                      CF 9668966F707
                                                                                                                                                                     MOVAB
MOVZUL
SUBL3
                                                                                                                                                                                                                                                                                              1140
                                                        56 000000FF
                                                                                                                                                                      MOVB
                                                                                                                                                                      INCL
                                                                                                                                                                     MOVL
MOVC3
ADDL2
MOVZBW
                                                                                       57
67
68
69
68
                                                                                                           FC
                                                                                                                                                                                                                                                                                               1144
                                                                                                           FF
                                                                                                                                                                                                                                                                                              1148
                                                                                                                                                                     MOVL
MOVC5
                                                                            04
                                                        20
         OOFF
```

INSLIST V04-000

ouput to temporary buffer routines

J 10 16-Sep-1984 01:54:25 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:35:38 [INSTAL.SRCJINSLIST.B32;1

04 00039

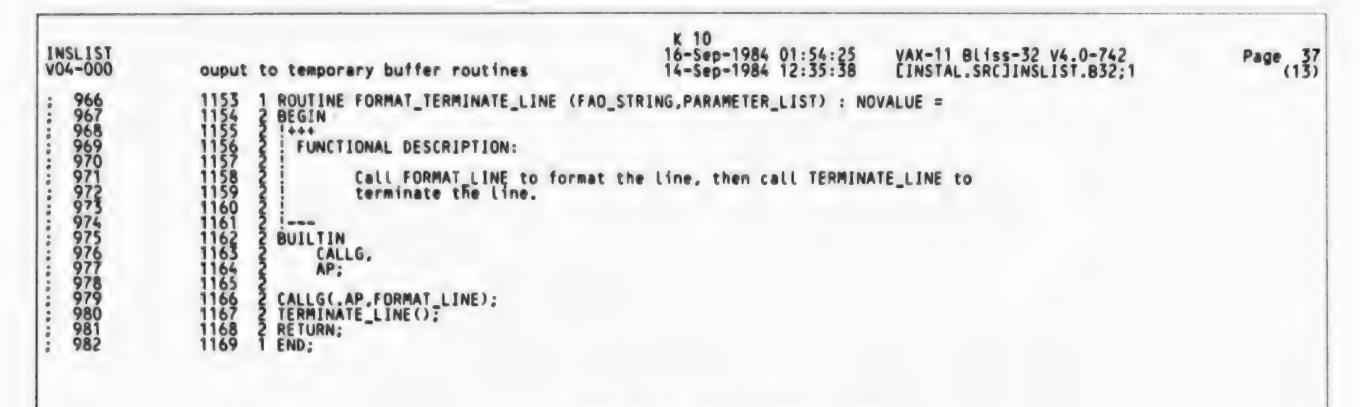
RET

; 1151

; Routine Size: 58 bytes, Routine Base: \$CODE\$ + 0592

: 964

1152 1



0000 00000 FORMAT_TERMINATE_LINE:
.WORD Save nothing
C FA 00002 CALLG (AP), FORMAT_LINE
D FB 00006 CALLS #0, TERMINATE_LINE 00002 00006 0000A FA F8 04 CALLS

; Routine Size: 11 bytes, Routine Base: \$CODE\$ + 05CC

```
L 10
16-Sep-1984 01:54:25
14-Sep-1984 12:35:38
 INSLIST
V04-000
                                                                                                                                                                  VAX-11 Bliss-32 V4.0-742
[INSTAL.SRC]INSLIST.B32;1
                                                                                                                                                                                                                                    Page 38 (14)
                              ouput to temporary buffer routines
985
9867
9889
9889
9991
9993
9995
9995
9997
9999
10001
10023
10067
1007
1007
1008
1009
1011
10167
10167
1017
1018
1019
1023
1023
1024
1025
                                             ROUTINE PRINTOUT =
                              1171
1172
1173
1174
1175
1176
1177
                                             BEGIN
                                             1+++
                                                  FUNCTIONAL DESCRIPTION:
                                                           Print the contents of the temporary buffer to sys$output
                                                  INPUT:
                                                           none
                                                  IMPLICIT INPUT:
                                                           Output buffer has been allocated and ins$faobufdesc is the
                                                           descriptor for it.
                                                  OUTPUT:
                                                           Output the contents of ins$faooutbuf to sys$output
                              1186
1187
1188
1189
                                                  ROUTINE VALUE
                                                           status from SPUT
                                             LOCAL
                                                    TMPBUF_USELEN,
                                            TMPBUF_USELEN = .TMPBUF_PTR - .TMPBUF;
TMPBUF_PTR = .TMPBUF;
                              1196
1197
                                            WHILE .TMPBUF_PTR - .TMPBUF LSS .TMPBUF_USELEN DO
                                                    BEGIN
                              1200
1201
1202
1203
1204
1205
1206
1207
1208
1209
1210
                                                    LOCAL
                                                           SIZE:
                                                   SIZE = .(.TMPBUF_PTR) <0.8.0>;
INSSG_OUTRAB [RABSW_RSZ] = .SIZE;
INSSG_OUTRAB [RAB$L_RBF] = .TMPBUF_PTR+1;
EXECUTE ($PUT (RAB = INSSG_OUTRAB));
TMPBUF_PTR = .TMPBUF_PTR + 1 + .SIZE;
                                             RETURN TRUE:
                                            END:
                                                                          ! Routine PRINTOUT
                                                                                                                                         .EXTRN SYS$PUT
                                                                                                     003C 00000 PRINTOUT:
                                                                                                                                                      Save R2,R3,R4,R5
INS$G_OUTRAB+34, R5
IMPBUF_PTR, R4
IMPBUF, IMPBUF_PTR, IMPBUF_USELEN
IMPBUF, IMPBUF_PTR
IMPBUF, R1
IMPBUF, R1, R0
PO_IMPBUF, R1, R0
                                                                                                                                         .WORD
                                                                                                                                                                                                                                        : 1170
                                                                                                              00002
00009
0000E
00013
00017
0001A
0001F
00022
                                                                              0000000G
                                                                                                  9E 30003118
                                                                        554645155
                                                                                                                                         MOVAB
                                                                                     0000
                                                                                                                                        MOVAB
                                                                                                                                                                                                                                          1195
1196
1198
                                               53
                                                                                        FC
                                                                                                                                         SUBL 3
                                                                                                                                         MOVL
                                                                                                                                        MOVL
SUBL3
                                               50
                                                                                                                                                       RO, TMPBUF USELEN
                                                                                                                                        CMPL
BGEQ
```

INSLIST V04-000	ouput to temporary b	uffer routines	M 10 16-Sep- 14-Sep-	1984 01:54:25 1984 12:35:38	VAX-11 Bliss-32 V4.0-742 [INSTAL.SRC]INSLIST.B32;1	Page 39 (14)
	06 00000000 50	G 00 DE 01 50	61 9A 00024 52 B0 00027 A1 9E 0002A A5 9F 0002F 01 FB 00032 50 E9 00039 52 C1 0003C A0 9E 00040 D1 11 00044 01 D0 00046 2\$: 04 00049 3\$:	MOV7DI (D1)	SIZE INS\$G_OUTRAB+34 I), INS\$G_OUTRAB+40 BG_OUTRAB SYS\$PUT TUS, 3\$ E. TMPBUF_PTR, RO D), TMPBUF_PTR	1203 1204 1205 1206 1207 1198 1210 1211
; Routine Size:	74 bytes, Routin	e Base: \$CODE\$	+ 0507			
: 1026 : 1027 : 1028 : 1029	1212 1 1213 1 1214 1 END 1215 0 ELUDOM	! Module in	slist			
				.EXTRN LIB	BSIGNAL	
:		PSECT SUMMAR	Υ			
; Name	Byt		Attribut			
SGLOBALS SOWNS SPLITS SCODES ABS		12 NOVEC, 144 NOVEC, 672 NOVEC,NO 1569 NOVEC,NO 0 NOVEC,NO	WRT, RD ,NOEXE,NOSH WRT, RD ,NOEXE,NOSH WRT, RD ,NOEXE,NOSH WRT, RD , EXE,NOSH WRT,NORD ,NOEXE,NOSH	R, LCL, REL, R, LCL, REL, R, LCL, REL, R, LCL, ABS,	CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(0)	
:	Libr	ary Statistics				
File		Total	Symbols Loaded Percent	Pages Mapped	Processing Time	
:	SYSLIBJLIB.L32;1	18619	74 0	1000	00:01.8	
;		COMMAND QUA			INSI IST/UPDATE=(FNHS: INSI IST)	

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$: INSLIST/OBJ=OBJ\$: INSLIST MSRC\$: INSLIST/UPDATE=(ENH\$: INSLIST)

: Size: : Run Time: 1569 code + 828 data bytes 00:31.3 N 10 16-Sep-1984 01:54:25 VA

VAX-11 Bliss-32 V4.0-742

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